



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----- Jones Road Groundwater Plume
Sample Collection Date(s)-- 02/03/20 - 02/05/20
Contact----- Raji Josiam (6SF-RA)
Report Date----- 03/09/20
Project #----- 20SF032
Work Order(s)----- 2002003
2002006

Analyses included in this report:

VOA CLP Low Level

Report Narrative

Volatiles:

Acetone is qualified as estimated in sample 2002003-33 due to failure of this analyte in the second source verification for the initial calibration.

The surrogate 1,2-Dichloroethane-d4 fails low in sample 2002003-05. Chloroethane is qualified as estimated due to failure.

Chloroethane, where reported, is qualified as blank related due to presence of this analyte in the analysis blank.

Batch B0B1001: One target fails high in the BSs but does not affect the data.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

The reporting limit (sometimes referred to as a quantitation limit) is defined as the lowest concentration at which an analyte can be reliably measured and reported without qualification. Reporting limits are adjusted for sample size, dilution, and matrix interference. Concentrations below the reporting limit are reported as non-detects or <RL.

For a list of ISO 17025 accredited methods go to:

<http://region6a.epa.gov/intranet/6md/lab/USEPARegion6CertScope-V005.pdf>

Report Approvals:

RICHARD MCMILLIN

Digitally signed by RICHARD
MCMILLIN
Date: 2020.03.09 13:04:25 -05'00'

Richard McMillin
Region 6 Laboratory Technical Manager

DAVID MCQUIDDY

Digitally signed by DAVID
MCQUIDDY
Date: 2020.03.09 13:25:47 -05'00'

David W. McQuiddy
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Jones Road Groundwater Plume

Project Number: 20SF032

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
BL10818	2002003-01	Liquid	2/4/20 8:30	02/05/20 09:10
ES11627	2002003-02	Liquid	2/4/20 9:30	02/05/20 09:10
FV11110	2002003-03	Liquid	2/3/20 15:15	02/05/20 09:10
FV11118	2002003-04	Liquid	2/4/20 15:15	02/05/20 09:10
FV11118-DUP	2002003-05	Liquid	2/4/20 15:15	02/05/20 09:10
MW-10	2002003-06	Liquid	2/4/20 9:15	02/05/20 09:10
MW-11R	2002003-07	Liquid	2/3/20 15:00	02/05/20 09:10
MW-12	2002003-08	Liquid	2/3/20 16:30	02/05/20 09:10
MW-13	2002003-09	Liquid	2/3/20 16:40	02/05/20 09:10
MW-13-DUP	2002003-10	Liquid	2/3/20 16:40	02/05/20 09:10
MW-14	2002003-11	Liquid	2/3/20 15:20	02/05/20 09:10
MW-15	2002003-12	Liquid	2/4/20 8:30	02/05/20 09:10
MW-16	2002003-13	Liquid	2/4/20 9:00	02/05/20 09:10
MW-17	2002003-14	Liquid	2/3/20 14:30	02/05/20 09:10
MW-18	2002003-15	Liquid	2/3/20 14:15	02/05/20 09:10
MW-19	2002003-16	Liquid	2/3/20 14:00	02/05/20 09:10
OV11519	2002003-17	Liquid	2/3/20 14:15	02/05/20 09:10
OV11519-DUP	2002003-18	Liquid	2/3/20 14:15	02/05/20 09:10
PH11702	2002003-19	Liquid	2/3/20 9:20	02/05/20 09:10
PH11710	2002003-20	Liquid	2/4/20 15:55	02/05/20 09:10
PH11723	2002003-21	Liquid	2/4/20 11:00	02/05/20 09:10
PH11738	2002003-22	Liquid	2/4/20 15:30	02/05/20 09:10
TB-5	2002003-23	Liquid	2/3/20 12:00	02/05/20 09:10
TB-6	2002003-24	Liquid	2/4/20 7:30	02/05/20 09:10
TH11618	2002003-25	Liquid	2/3/20 15:55	02/05/20 09:10
TH11643	2002003-26	Liquid	2/3/20 16:35	02/05/20 09:10
TH11703	2002003-27	Liquid	2/4/20 14:30	02/05/20 09:10
TH11722	2002003-28	Liquid	2/3/20 10:30	02/05/20 09:10
TH11723	2002003-29	Liquid	2/3/20 11:30	02/05/20 09:10
TH11737	2002003-30	Liquid	2/4/20 11:50	02/05/20 09:10
TT11039	2002003-31	Liquid	2/4/20 10:20	02/05/20 09:10
TT11039-DUP	2002003-32	Liquid	2/4/20 10:20	02/05/20 09:10
TT11102	2002003-33	Liquid	2/4/20 10:05	02/05/20 09:10
TT11219	2002003-34	Liquid	2/4/20 11:00	02/05/20 09:10
OV11642	2002006-01	Liquid	2/5/20 10:35	02/06/20 10:10
TB-7	2002006-02	Liquid	2/5/20 7:30	02/06/20 10:10



Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
TH11713	2002006-03	Liquid	2/5/20 9:45	02/06/20 10:10
TT11330	2002006-04	Liquid	2/4/20 11:45	02/06/20 10:10



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

QC SUMMARY REPORT

VOA CLP Low Level	
B0B0701	
Liquid	
Samples: 18	ReExts: 0
LAB NUMBER	SOURCE
B0B0701-BLK1	
B0B0701-BS1	
B0B0701-MS1	2002003-02
B0B0701-MSD1	2002003-02

B0B1001

Liquid

Samples: 20	ReExts: 0
LAB NUMBER	SOURCE
B0B1001-BLK1	
B0B1001-BLK2	
B0B1001-BS1	
B0B1001-BS2	
B0B1001-MS1	2002003-27
B0B1001-MSD1	2002003-27



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-01

Station ID: BL10818

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.39		93.9	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	8.87		88.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.46		84.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-01

Station ID: BL10818

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-02

Station ID: ES11627

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.51		95.1	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.35		93.5	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.27		92.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.4		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-02

Station ID: ES11627

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	7.1		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-03

Station ID: FV11110

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.83		88.3	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	8.79		87.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.20		82.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-03

Station ID: FV11110

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-04

Station ID: FV11118

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.84		88.4	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	8.74		87.4	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.43		84.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.4	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-04

Station ID: FV11118

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	5.0		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-05

Station ID: FV11118-DUP

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.38		83.8 #	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	8.55		85.5	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.28		82.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B, J	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-05

Station ID: FV11118-DUP

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	5.3		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-06

Station ID: MW-10

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	8.78		87.8	86-117	02/07/20	02/07/20
Toluene-d8	8.89		88.9	85-113	"	"
4-Bromofluorobenzene	8.14		81.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.1	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-06

Station ID: MW-10

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-07

Station ID: MW-11R

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	10.2		102	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.67		96.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.05		90.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.6	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-07

Station ID: MW-11R

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-08

Station ID: MW-12

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	8.89		88.9	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	8.70		87.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.45		84.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	6.0		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.4	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-08

Station ID: MW-12

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-09

Station ID: MW-13

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.2		102	86-117	02/07/20	02/07/20
Toluene-d8	10.4		104	85-113	"	"
4-Bromofluorobenzene	9.71		97.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.9	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-09

Station ID: MW-13

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-10

Station ID: MW-13-DUP

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	8.89		88.9	86-117	02/07/20	02/07/20
Toluene-d8	8.90		89.0	85-113	"	"
4-Bromofluorobenzene	8.89		88.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-10

Station ID: MW-13-DUP

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-11

Station ID: MW-14

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.84		98.4	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.27		92.7	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.10		91.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	2.2		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.4	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-11

Station ID: MW-14

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-12

Station ID: MW-15

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.28		92.8	86-117	02/07/20	02/07/20
Toluene-d8	9.46		94.6	85-113	"	"
4-Bromofluorobenzene	9.17		91.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	2.2		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.2	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-12

Station ID: MW-15

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-13

Station ID: MW-16

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.72		97.2	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.79		97.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.39		93.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	10.1		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.5	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-13

Station ID: MW-16

Batch: B0B0701

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	1.0		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-14

Station ID: MW-17

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.57		95.7	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.60		96.0	85-113	"	"
<i>4-Bromofluorobenzene</i>	9.04		90.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.2	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-14

Station ID: MW-17

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-15

Station ID: MW-18

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.80		98.0	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.22		92.2	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.27		82.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-15

Station ID: MW-18

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-16

Station ID: MW-19

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.19		91.9	86-117	02/07/20	02/07/20
Toluene-d8	9.42		94.2	85-113	"	"
4-Bromofluorobenzene	8.79		87.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	4.9		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-16

Station ID: MW-19

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-17

Station ID: OV11519

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.14		91.4	86-117	02/07/20	02/07/20
Toluene-d8	9.23		92.3	85-113	"	"
4-Bromofluorobenzene	8.41		84.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.3	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-17

Station ID: OV11519

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-18

Station ID: OV11519-DUP

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	9.29		92.9	86-117	02/07/20	02/07/20
<i>Toluene-d8</i>	9.66		96.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	8.77		87.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/07/20	02/07/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	1.1	B	1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-18

Station ID: OV11519-DUP

Batch: B0B0701

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/07/20	02/07/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-19

Station ID: PH11702

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	50.0		100	86-117	02/10/20	02/10/20
<i>Toluene-d8</i>	49.0		97.9	85-113	"	"
<i>4-Bromofluorobenzene</i>	49.2		98.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-19

Station ID: PH11702

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-20

Station ID: PH11710

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	50.6		101	86-117	02/10/20	02/10/20
<i>Toluene-d8</i>	49.7		99.4	85-113	"	"
<i>4-Bromofluorobenzene</i>	50.2		100	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-20

Station ID: PH11710

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-21

Station ID: PH11723

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	52.9		106	86-117	02/10/20	02/10/20
Toluene-d8	52.9		106	85-113	"	"
4-Bromofluorobenzene	52.7		105	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-21

Station ID: PH11723

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-22

Station ID: PH11738

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.8		99.6	86-117	02/10/20	02/10/20
Toluene-d8	49.0		98.1	85-113	"	"
4-Bromofluorobenzene	48.9		97.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-22

Station ID: PH11738

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-23

Station ID: TB-5

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	48.2		96.4	86-117	02/10/20	02/10/20
Toluene-d8	48.2		96.3	85-113	"	"
4-Bromofluorobenzene	48.8		97.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-23

Station ID: TB-5

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-24

Station ID: TB-6

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.2		102	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	50.6		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	51.1		102	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-24

Station ID: TB-6

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-25

Station ID: TH11618

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	48.8		97.5	86-117	02/10/20	02/10/20
Toluene-d8	47.1		94.2	85-113	"	"
4-Bromofluorobenzene	47.4		94.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.6		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-25

Station ID: TH11618

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	8.4		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-26

Station ID: TH11643

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	48.8		97.5	86-117	02/10/20	02/10/20
Toluene-d8	47.8		95.7	85-113	"	"
4-Bromofluorobenzene	47.7		95.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-26

Station ID: TH11643

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-27

Station ID: TH11703

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.8		99.6	86-117	02/10/20	02/10/20
Toluene-d8	49.2		98.4	85-113	"	"
4-Bromofluorobenzene	49.4		98.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-27

Station ID: TH11703

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-28

Station ID: TH11722

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	52.3		105	86-117	02/10/20	02/10/20
<i>Toluene-d8</i>	51.4		103	85-113	"	"
<i>4-Bromofluorobenzene</i>	51.4		103	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-28

Station ID: TH11722

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-29

Station ID: TH11723

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	48.6		97.2	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	47.7		95.5	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.3		96.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-29

Station ID: TH11723

Batch: B0B1001

Date Collected: 02/03/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-30

Station ID: TH11737

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.6		99.1	86-117	02/11/20	02/11/20
Toluene-d8	48.7		97.4	85-113	"	"
4-Bromofluorobenzene	49.0		98.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	1.0		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-30

Station ID: TH11737

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-31

Station ID: TT11039

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.1		98.1	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	48.6		97.1	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.5		97.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.0		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-31

Station ID: TT11039

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	5.5		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-32

Station ID: TT11039-DUP

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.9		99.8	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	50.3		101	85-113	"	"
<i>4-Bromofluorobenzene</i>	50.5		101	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	1.0		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-32

Station ID: TT11039-DUP

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	5.7		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-33

Station ID: TT11102

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	49.0		98.0	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	49.3		98.6	85-113	"	"
<i>4-Bromofluorobenzene</i>	48.8		97.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	16.7	J	5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-33

Station ID: TT11102

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-34

Station ID: TT11219

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.0		102	86-117	02/11/20	02/11/20
<i>Toluene-d8</i>	49.9		99.8	85-113	"	"
<i>4-Bromofluorobenzene</i>	50.8		102	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/11/20	02/11/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002003-34

Station ID: TT11219

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/11/20	02/11/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-01

Station ID: OV11642

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	49.7		99.4	86-117	02/10/20	02/10/20
Toluene-d8	48.7		97.3	85-113	"	"
4-Bromofluorobenzene	49.0		98.0	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-01

Station ID: OV11642

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-02

Station ID: TB-7

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	50.1		100	86-117	02/10/20	02/10/20
Toluene-d8	49.6		99.2	85-113	"	"
4-Bromofluorobenzene	50.0		100	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-02

Station ID: TB-7

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-03

Station ID: TH11713

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/10/20	02/10/20
<i>Toluene-d8</i>	50.0		100	85-113	"	"
<i>4-Bromofluorobenzene</i>	51.0		102	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-03

Station ID: TH11713

Batch: B0B1001

Date Collected: 02/05/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-04

Station ID: TT11330

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>1,2-Dichloroethane-d4</i>	51.1		102	86-117	02/10/20	02/10/20
<i>Toluene-d8</i>	50.1		100	85-113	"	"
<i>4-Bromofluorobenzene</i>	50.5		101	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	02/10/20	02/10/20
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	"	"	"



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 2002006-04

Station ID: TT11330

Batch: B0B1001

Date Collected: 02/04/20

Sample Type: Liquid

Sample Vol: 5ml

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	1	02/10/20	02/10/20
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

Blank (B0B0701-BLK1)

Prepared: 2/7/2020 Analyzed: 2/7/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	8.78		10.0	87.8	86-117
<i>Toluene-d8</i>	9.07		10.0	90.7	85-113
<i>4-Bromofluorobenzene</i>	8.38		10.0	83.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	1.4		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0
1,2-Dichloropropane	U		1.0



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

Blank (B0B0701-BLK1)

Prepared: 2/7/2020 Analyzed: 2/7/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone: (281) 983-2100 Fax: (281) 983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

LCS (B0B0701-BS1)

Prepared: 2/7/2020 Analyzed: 2/7/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	8.87		10.0	88.7	86-117
<i>Toluene-d8</i>	8.64		10.0	86.4	85-113
<i>4-Bromofluorobenzene</i>	8.78		10.0	87.8	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	9.2		1.0	10.0	91.9	69-132
Chloromethane	8.0		1.0	10.0	79.9	73-130
Vinyl chloride	8.6		1.0	10.0	86.1	76-130
Bromomethane	8.6		1.0	10.0	86.5	75-129
Chloroethane	9.0		1.0	10.0	89.6	75-121
Trichlorofluoromethane	9.1		1.0	10.0	91.3	79-130
1,1-Dichloroethene	8.5		1.0	10.0	84.9	76-127
Carbon disulfide	8.1		1.0	10.0	81.2	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	9.1		1.0	10.0	90.8	79-126
Acetone	10.6		5.0	10.0	106	44-140
Methylene chloride	8.8		2.0	10.0	88.2	79-122
Methyl acetate	10.0		1.0	10.0	100	78-118
trans-1,2-Dichloroethene	8.3		1.0	10.0	82.7	78-123
cis-1,2-Dichloroethene	8.2		1.0	10.0	81.5	80-120
Methyl tert-butyl ether	8.8		1.0	10.0	87.8	78-124
1,1-Dichloroethane	8.2		1.0	10.0	81.9	80-122
2-Butanone	9.6		5.0	10.0	95.9	71-127
Chloroform	8.6		1.0	10.0	85.6	81-121
1,2-Dichloroethane	8.5		1.0	10.0	84.9	80-121
1,1,1-Trichloroethane	8.5		1.0	10.0	85.1	80-120
Cyclohexane	9.5		1.0	10.0	94.6	77-120
Carbon tetrachloride	9.0		1.0	10.0	90.0	78-121
Benzene	8.8		1.0	10.0	87.8	81-119
Trichloroethene	9.0		1.0	10.0	89.7	80-120
Methylcyclohexane	8.6		1.0	10.0	86.0	79-122
1,2-Dichloropropane	8.8		1.0	10.0	87.8	81-121



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

LCS (B0B0701-BS1)

Prepared: 2/7/2020 Analyzed: 2/7/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	%REC
Bromodichloromethane	9.0		1.0	10.0	89.6	80-121
cis-1,3-Dichloropropene	9.1		1.0	10.0	91.4	79-119
trans-1,3-Dichloropropene	9.2		1.0	10.0	91.5	78-119
1,1,2-Trichloroethane	9.4		1.0	10.0	94.5	80-120
Dibromochloromethane	9.1		1.0	10.0	91.1	80-118
Bromoform	9.1		1.0	10.0	91.4	79-119
4-Methyl-2-pentanone	9.5		5.0	10.0	95.2	77-121
Toluene	8.6		1.0	10.0	86.0	81-118
Tetrachloroethene	8.2		1.0	10.0	82.5	80-120
2-Hexanone	9.4		5.0	10.0	93.9	77-122
1,2-Dibromoethane	9.5		1.0	10.0	95.1	81-118
Chlorobenzene	8.3		1.0	10.0	82.6	81-118
Ethylbenzene	8.4		1.0	10.0	83.5	80-118
meta-/para-Xylene	16.8		2.0	20.0	84.2	81-117
ortho-Xylene	8.7		1.0	10.0	86.6	81-118
Styrene	8.8		1.0	10.0	88.2	79-118
Isopropylbenzene	8.5		1.0	10.0	84.9	74-124
1,1,2,2-Tetrachloroethane	9.3		1.0	10.0	93.2	79-119
1,3-Dichlorobenzene	8.6		1.0	10.0	85.5	81-118
1,4-Dichlorobenzene	8.7		1.0	10.0	87.1	80-117
1,2-Dichlorobenzene	8.9		1.0	10.0	89.1	79-119
1,2-Dibromo-3-chloropropane	9.2		1.0	10.0	91.6	77-123
1,2,4-Trichlorobenzene	8.8		1.0	10.0	88.2	78-128



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

Matrix Spike (B0B0701-MS1)

Source: 2002003-02

Prepared: 2/7/2020 Analyzed: 2/7/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	9.21		10.0	92.1	86-117
<i>Toluene-d8</i>	9.08		10.0	90.8	85-113
<i>4-Bromofluorobenzene</i>	8.99		10.0	89.9	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,1-Dichloroethene	8.2		1.0	10.0		81.6	72-134
Benzene	9.4		1.0	10.0		94.5	79-122
Trichloroethene	9.5		1.0	10.0		95.1	79-126
Toluene	8.8		1.0	10.0		88.0	81-122
Chlorobenzene	8.6		1.0	10.0		86.3	82-121



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B0701

Sample Type: Liquid

Matrix Spike Dup (B0B0701-MSD1)

Source: 2002003-02

Prepared: 2/7/2020 Analyzed: 2/7/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	9.11		10.0	91.1	86-117
Toluene-d8	8.92		10.0	89.2	85-113
4-Bromofluorobenzene	8.74		10.0	87.4	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1-Dichloroethene	8.2		1.0	10.0		82.2	72-134	0.73	21
Benzene	8.9		1.0	10.0		89.2	79-122	5.77	16
Trichloroethene	9.3		1.0	10.0		93.0	79-126	2.23	14
Toluene	8.9		1.0	10.0		89.2	81-122	1.35	13
Chlorobenzene	8.8		1.0	10.0		87.6	82-121	1.50	10

Batch: B0B1001

Sample Type: Liquid

Blank (B0B1001-BLK1)

Prepared: 2/10/2020 Analyzed: 2/10/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	50.6		50.0	101	86-117
Toluene-d8	49.9		50.0	99.8	85-113
4-Bromofluorobenzene	50.1		50.0	100	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Blank (B0B1001-BLK1)

Prepared: 2/10/2020 Analyzed: 2/10/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Blank (B0B1001-BLK1)

Prepared: 2/10/2020 Analyzed: 2/10/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Blank (B0B1001-BLK2)

Prepared: 2/11/2020 Analyzed: 2/11/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	48.5		50.0	97.1	86-117
<i>Toluene-d8</i>	48.7		50.0	97.3	85-113
<i>4-Bromofluorobenzene</i>	48.2		50.0	96.5	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0
1,2-Dichloropropane	U		1.0



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Blank (B0B1001-BLK2)

Prepared: 2/11/2020 Analyzed: 2/11/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

LCS (B0B1001-BS1)

Prepared: 2/10/2020 Analyzed: 2/10/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	49.1		50.0	98.2	86-117
<i>Toluene-d8</i>	48.4		50.0	96.9	85-113
<i>4-Bromofluorobenzene</i>	49.0		50.0	98.1	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	79.7		1.0	50.0	159 #	69-132
Chloromethane	59.4		1.0	50.0	119	73-130
Vinyl chloride	55.7		1.0	50.0	111	76-130
Bromomethane	52.6		1.0	50.0	105	75-129
Chloroethane	58.1		1.0	50.0	116	75-121
Trichlorofluoromethane	54.7		1.0	50.0	109	79-130
1,1-Dichloroethene	57.3		1.0	50.0	115	76-127
Carbon disulfide	53.3		1.0	50.0	107	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	55.7		1.0	50.0	111	79-126
Acetone	48.1		5.0	50.0	96.2	44-140
Methylene chloride	53.3		2.0	50.0	107	79-122
Methyl acetate	50.1		1.0	50.0	100	78-118
trans-1,2-Dichloroethene	56.0		1.0	50.0	112	78-123
cis-1,2-Dichloroethene	52.1		1.0	50.0	104	80-120
Methyl tert-butyl ether	50.0		1.0	50.0	99.9	78-124
1,1-Dichloroethane	53.0		1.0	50.0	106	80-122
2-Butanone	50.9		5.0	50.0	102	71-127
Chloroform	51.5		1.0	50.0	103	81-121
1,2-Dichloroethane	51.2		1.0	50.0	102	80-121
1,1,1-Trichloroethane	51.8		1.0	50.0	104	80-120
Cyclohexane	52.3		1.0	50.0	105	77-120
Carbon tetrachloride	52.2		1.0	50.0	104	78-121
Benzene	52.5		1.0	50.0	105	81-119
Trichloroethene	53.9		1.0	50.0	108	80-120
Methylcyclohexane	50.9		1.0	50.0	102	79-122
1,2-Dichloropropane	48.0		1.0	50.0	96.0	81-121



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

LCS (B0B1001-BS1)

Prepared: 2/10/2020 Analyzed: 2/10/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC %REC	%REC Limits
Bromodichloromethane	50.4		1.0	50.0	101	80-121
cis-1,3-Dichloropropene	51.9		1.0	50.0	104	79-119
trans-1,3-Dichloropropene	53.0		1.0	50.0	106	78-119
1,1,2-Trichloroethane	50.3		1.0	50.0	101	80-120
Dibromochloromethane	51.0		1.0	50.0	102	80-118
Bromoform	51.3		1.0	50.0	103	79-119
4-Methyl-2-pentanone	51.3		5.0	50.0	103	77-121
Toluene	51.9		1.0	50.0	104	81-118
Tetrachloroethene	51.5		1.0	50.0	103	80-120
2-Hexanone	51.1		5.0	50.0	102	77-122
1,2-Dibromoethane	50.1		1.0	50.0	100	81-118
Chlorobenzene	51.1		1.0	50.0	102	81-118
Ethylbenzene	50.6		1.0	50.0	101	80-118
meta-/para-Xylene	102		2.0	100	102	81-117
ortho-Xylene	49.6		1.0	50.0	99.2	81-118
Styrene	50.5		1.0	50.0	101	79-118
Isopropylbenzene	49.2		1.0	50.0	98.5	74-124
1,1,2,2-Tetrachloroethane	50.9		1.0	50.0	102	79-119
1,3-Dichlorobenzene	49.4		1.0	50.0	98.8	81-118
1,4-Dichlorobenzene	49.9		1.0	50.0	99.7	80-117
1,2-Dichlorobenzene	50.2		1.0	50.0	100	79-119
1,2-Dibromo-3-chloropropane	49.7		1.0	50.0	99.4	77-123
1,2,4-Trichlorobenzene	51.6		1.0	50.0	103	78-128



Environmental Protection Agency
Region 6 Laboratory
 10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

LCS (B0B1001-BS2)

Prepared: 2/11/2020 Analyzed: 2/11/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	48.1		50.0	96.2	86-117
<i>Toluene-d8</i>	49.0		50.0	98.0	85-113
<i>4-Bromofluorobenzene</i>	49.3		50.0	98.6	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	75.4		1.0	50.0	151 #	69-132
Chloromethane	55.1		1.0	50.0	110	73-130
Vinyl chloride	52.5		1.0	50.0	105	76-130
Bromomethane	49.7		1.0	50.0	99.4	75-129
Chloroethane	52.9		1.0	50.0	106	75-121
Trichlorofluoromethane	50.0		1.0	50.0	100	79-130
1,1-Dichloroethene	53.2		1.0	50.0	106	76-127
Carbon disulfide	49.7		1.0	50.0	99.4	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.9		1.0	50.0	102	79-126
Acetone	45.6		5.0	50.0	91.2	44-140
Methylene chloride	48.4		2.0	50.0	96.9	79-122
Methyl acetate	46.6		1.0	50.0	93.1	78-118
trans-1,2-Dichloroethene	50.6		1.0	50.0	101	78-123
cis-1,2-Dichloroethene	47.5		1.0	50.0	95.0	80-120
Methyl tert-butyl ether	45.7		1.0	50.0	91.3	78-124
1,1-Dichloroethane	48.4		1.0	50.0	96.9	80-122
2-Butanone	46.9		5.0	50.0	93.9	71-127
Chloroform	47.5		1.0	50.0	95.1	81-121
1,2-Dichloroethane	46.6		1.0	50.0	93.2	80-121
1,1,1-Trichloroethane	47.6		1.0	50.0	95.3	80-120
Cyclohexane	48.4		1.0	50.0	96.7	77-120
Carbon tetrachloride	48.5		1.0	50.0	97.1	78-121
Benzene	47.9		1.0	50.0	95.8	81-119
Trichloroethene	48.6		1.0	50.0	97.1	80-120
Methylcyclohexane	46.5		1.0	50.0	92.9	79-122
1,2-Dichloropropane	46.5		1.0	50.0	92.9	81-121



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

LCS (B0B1001-BS2)

Prepared: 2/11/2020 Analyzed: 2/11/2020

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	%REC
Bromodichloromethane	45.7		1.0	50.0	91.4	80-121
cis-1,3-Dichloropropene	47.4		1.0	50.0	94.7	79-119
trans-1,3-Dichloropropene	47.9		1.0	50.0	95.7	78-119
1,1,2-Trichloroethane	46.2		1.0	50.0	92.4	80-120
Dibromochloromethane	46.0		1.0	50.0	92.0	80-118
Bromoform	46.4		1.0	50.0	92.9	79-119
4-Methyl-2-pentanone	47.5		5.0	50.0	95.0	77-121
Toluene	48.5		1.0	50.0	97.0	81-118
Tetrachloroethene	47.4		1.0	50.0	94.8	80-120
2-Hexanone	47.1		5.0	50.0	94.2	77-122
1,2-Dibromoethane	46.2		1.0	50.0	92.4	81-118
Chlorobenzene	47.1		1.0	50.0	94.2	81-118
Ethylbenzene	46.9		1.0	50.0	93.7	80-118
meta-/para-Xylene	94.1		2.0	100	94.1	81-117
ortho-Xylene	46.3		1.0	50.0	92.6	81-118
Styrene	47.0		1.0	50.0	94.0	79-118
Isopropylbenzene	45.7		1.0	50.0	91.4	74-124
1,1,2,2-Tetrachloroethane	47.1		1.0	50.0	94.1	79-119
1,3-Dichlorobenzene	45.8		1.0	50.0	91.6	81-118
1,4-Dichlorobenzene	46.1		1.0	50.0	92.1	80-117
1,2-Dichlorobenzene	46.2		1.0	50.0	92.3	79-119
1,2-Dibromo-3-chloropropane	43.9		1.0	50.0	87.9	77-123
1,2,4-Trichlorobenzene	47.4		1.0	50.0	94.8	78-128



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Matrix Spike (B0B1001-MS1)

Source: 2002003-27

Prepared: 2/10/2020 Analyzed: 2/10/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	51.4		50.0	103	86-117
<i>Toluene-d8</i>	51.4		50.0	103	85-113
<i>4-Bromofluorobenzene</i>	51.3		50.0	103	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,1-Dichloroethene	54.1		1.0	50.0		108	72-134
Benzene	50.9		1.0	50.0		102	79-122
Trichloroethene	52.5		1.0	50.0	0.5	104	79-126
Toluene	51.1		1.0	50.0		102	81-122
Chlorobenzene	51.3		1.0	50.0		103	82-121



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B0B1001

Sample Type: Liquid

Matrix Spike Dup (B0B1001-MSD1)

Source: 2002003-27

Prepared: 2/10/2020 Analyzed: 2/10/2020

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
<i>1,2-Dichloroethane-d4</i>	51.0		50.0	102	86-117
<i>Toluene-d8</i>	50.5		50.0	101	85-113
<i>4-Bromofluorobenzene</i>	50.9		50.0	102	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1-Dichloroethene	53.0		1.0	50.0		106	72-134	2.03	21
Benzene	49.3		1.0	50.0		98.6	79-122	3.21	16
Trichloroethene	51.1		1.0	50.0	0.5	101	79-126	2.65	14
Toluene	49.7		1.0	50.0		99.3	81-122	2.84	13
Chlorobenzene	50.2		1.0	50.0		100	82-121	2.15	10



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

VOA CLP Low Level

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
2002003-01	93.9	88.7	84.6
2002003-02	95.1	93.5	92.7
2002003-03	88.3	87.9	82.0
2002003-04	88.4	87.4	84.3
2002003-05	83.8 #	85.5	82.8
2002003-06	87.8	88.9	81.4
2002003-07	102	96.7	90.5
2002003-08	88.9	87.0	84.5
2002003-09	102	104	97.1
2002003-10	88.9	89.0	88.9
2002003-11	98.4	92.7	91.0
2002003-12	92.8	94.6	91.7
2002003-13	97.2	97.9	93.9
2002003-14	95.7	96.0	90.4
2002003-15	98.0	92.2	82.7
2002003-16	91.9	94.2	87.9
2002003-17	91.4	92.3	84.1
2002003-18	92.9	96.6	87.7
2002003-19	100	97.9	98.5
2002003-20	101	99.4	100
2002003-21	106	106	105
2002003-22	99.6	98.1	97.8
2002003-23	96.4	96.3	97.6
2002003-24	102	101	102
2002003-25	97.5	94.2	94.9
2002003-26	97.5	95.7	95.5
2002003-27	99.6	98.4	98.9
2002003-28	105	103	103
2002003-29	97.2	95.5	96.6
2002003-30	99.1	97.4	98.0
2002003-31	98.1	97.1	97.1
2002003-32	99.8	101	101
2002003-33	98.0	98.6	97.6
2002003-34	102	99.8	102
2002006-01	99.4	97.3	98.0



Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

VOA CLP Low Level

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
2002006-02	100	99.2	100
2002006-03	102	100	102
2002006-04	102	100	101
B0B0701-BLK1	87.8	90.7	83.8
B0B0701-BS1	88.7	86.4	87.8
B0B0701-MS1	92.1	90.8	89.9
B0B0701-MSD1	91.1	89.2	87.4
B0B1001-BLK1	101	99.8	100
B0B1001-BLK2	97.1	97.3	96.5
B0B1001-BS1	98.2	96.9	98.1
B0B1001-BS2	96.2	98.0	98.6
B0B1001-MS1	103	103	103
B0B1001-MSD1	102	101	102

QC LIMITS

1,2-DCE-d4	=	1,2-Dichloroethane-d4	86 - 117
TOL-d8	=	Toluene-d8	85 - 113
4-BFB	=	4-Bromofluorobenzene	73 - 115



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Qualifiers

J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated extraction, digestion and/or analysis blank. Presence in the sample is therefore suspect.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
HTT	The TCLP procedure in method 1311 was performed outside the recommended holding time.
U	The analyte was not detected at or above the reporting limit.

Abbreviations and Symbols

ABN	Acid Base Neutrals (Semivolatile Compounds)
AES	Atomic Emission Spectrometer
BS	Blank Spike
CVAA	Cold Vapor Atomic Absorption
DCB	Decachlorobiphenyl
ECD	Electron Capture Detector
GC	Gas Chromatograph
ICP	Inductively Coupled Plasma
ISTD	Internal Standard
LCS	Laboratory Control Sample
MS	Mass Spectrometer
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
PCB	Polychlorinatedbiphenyl



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

RL	Reporting Limit
RT	Retention Time
RPD	Relative Percent Difference
TCLP	Toxicity Characteristic Leaching Procedure
TCMX	Tetrachloro-meta-xylene
VOA	Volatile Organic Analysis
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

USEPA CLP COC (LAB COPY)

Date Shipped: 2/4/2020

Carrier Name: FedEx

Airbill No: 7776 8075 8270

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-105951-0014

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
BL10818		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	513 (pH<2 HCl Ice to 4C), 514 (pH<2 HCl Ice to 4C), 515 (pH<2 HCl Ice to 4C) (3)	BL10818	02/04/2020 08:30	
FV11118		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	510 (pH<2 HCl Ice to 4C), 511 (pH<2 HCl Ice to 4C), 512 (pH<2 HCl Ice to 4C) (3)	FV11118	02/04/2020 15:15	
FV11118-DUP		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	519 (pH<2 HCl Ice to 4C), 520 (pH<2 HCl Ice to 4C), 521 (pH<2 HCl Ice to 4C) (3)	FV11118-DUP	02/04/2020 15:15	
MW-14		Groundwater/ Will Ganter	Grab	VOA(35)	363 (pH<2 HCl Ice to 4C), 364 (pH<2 HCl Ice to 4C), 365 (pH<2 HCl Ice to 4C) (3)	MW-14	02/03/2020 15:20	
PH11710		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	534 (pH<2 HCl Ice to 4C), 535 (pH<2 HCl Ice to 4C), 536 (pH<2 HCl Ice to 4C) (3)	PH11710	02/04/2020 15:55	
PH11723		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	528 (pH<2 HCl Ice to 4C), 529 (pH<2 HCl Ice to 4C), 530 (pH<2 HCl Ice to 4C) (3)	PH11723	02/04/2020 11:00	
PH11738		Groundwater/ Will Ganter	Grab	VOA(35)	531 (pH<2 HCl Ice to 4C), 532 (pH<2 HCl Ice to 4C), 533 (pH<2 HCl Ice to 4C) (3)	PH11738	02/04/2020 15:30	

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=VOA	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	02/04/2020 1800	FedEx	02/04/2020 1800	Temp Blank + 2°C
			Michael J. Ferrells (EPA)	2/5/2020 9:10	

USEPA CLP COC (LAB COPY)

DateShipped: 2/4/2020

CarrierName: FedEx

AirbillNo: 7776 8075 8270

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-105951-0014

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
TB-6		Groundwater/ Melissa Hughes	Grab	VOA(35)	633 (pH<2 HCl Ice to 4C), 634 (pH<2 HCl Ice to 4C), 635 (pH<2 HCl Ice to 4C) (3)	TB-6	02/04/2020 07:30	
TH11703		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	594 (pH<2 HCl Ice to 4C), 595 (pH<2 HCl Ice to 4C), 596 (pH<2 HCl Ice to 4C), 597 (pH<2 HCl Ice to 4C), 598 (pH<2 HCl Ice to 4C), 599 (pH<2 HCl Ice to 4C), 600 (pH<2 HCl Ice to 4C), 601 (pH<2 HCl Ice to 4C), 602 (pH<2 HCl Ice to 4C) (9)	TH11703	02/04/2020 14:30	
TH11722		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	597 (pH<2 HCl Ice to 4C), 598 (pH<2 HCl Ice to 4C), 599 (pH<2 HCl Ice to 4C) (3)	TH11722	02/03/2020 10:30	
TH11723		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	600 (pH<2 HCl Ice to 4C), 601 (pH<2 HCl Ice to 4C), 602 (pH<2 HCl Ice to 4C) (3)	TH11723	02/03/2020 11:30	
TH11737		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	603 (pH<2 HCl Ice to 4C), 604 (pH<2 HCl Ice to 4C), 605 (pH<2 HCl Ice to 4C) (3)	TH11737	02/04/2020 11:50	

Sample(s) to be used for Lab QC: TH11703 Tag 594, TH11703 Tag 595, TH11703 Tag 596, TH11703 Tag 597, TH11703 Tag 598, TH11703 Tag 599, TH11703 Tag 600, TH11703 Tag 601, TH11703 Tag 602

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	02/04/2020 1:00	FedEx	02/04/2020 1:00	Temp. Blank = 2°C
			Mikhail Testa (EPA)	2/5/2020 9:10	

USEPA CLP COC (LAB COPY)

Date Shipped: 2/4/2020

Carrier Name: FedEx

Airbill No: 7776 8075 8270

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-105951-0014

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
TT11039		Groundwater/ Will Ganter	Grab	VOA(35)	570 (pH<2 HCl Ice to 4C), 571 (pH<2 HCl Ice to 4C), 572 (pH<2 HCl Ice to 4C) (3)	TT11039	02/04/2020 10:20	
TT11039-DUP		Groundwater/ Will Ganter	Grab	VOA(35)	591 (pH<2 HCl Ice to 4C), 592 (pH<2 HCl Ice to 4C), 593 (pH<2 HCl Ice to 4C) (3)	TT11039-DUP	02/04/2020 10:20	
TT11102		Groundwater/ Jacob Meirners	Grab	VOA(35)	540 (pH<2 HCl Ice to 4C), 541 (pH<2 HCl Ice to 4C), 542 (pH<2 HCl Ice to 4C) (3)	TT11102	02/04/2020 10:05	
TT11219		Groundwater/ Will Ganter	Grab	VOA(35)	564 (pH<2 HCl Ice to 4C), 565 (pH<2 HCl Ice to 4C), 566 (pH<2 HCl Ice to 4C) (3)	TT11219	02/04/2020 11:00	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>Michael Regan EA</i>	02/04/2020 1800	<i>FedEx</i>	02/04/2020 1800	<i>Temp Blank = 2°C.</i>
			<i>Michael Pettit (EPA)</i>	2/5/2020 9:10	

USEPA CLP COC (LAB COPY)

DateShipped: 2/4/2020

CarrierName: FedEx

AirbillNo: 7776 7849 2716

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-083510-0013

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ES11627		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	615 (pH<2 HCl Ice to 4C), 616 (pH<2 HCl Ice to 4C), 617 (pH<2 HCl Ice to 4C), 618 (pH<2 HCl Ice to 4C), 619 (pH<2 HCl Ice to 4C), 620 (pH<2 HCl Ice to 4C), 621 (pH<2 HCl Ice to 4C), 622 (pH<2 HCl Ice to 4C), 623 (pH<2 HCl Ice to 4C) (9)	ES11627	02/04/2020 09:30	
FV11110		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	501 (pH<2 HCl Ice to 4C), 502 (pH<2 HCl Ice to 4C), 503 (pH<2 HCl Ice to 4C) (3)	FV11110	02/03/2020 15:15	
MW-10		Groundwater/ Will Ganter	Grab	VOA(35)	348 (pH<2 HCl Ice to 4C), 349 (pH<2 HCl Ice to 4C), 350 (pH<2 HCl Ice to 4C) (3)	MW-10	02/04/2020 09:15	
MW-11R		Groundwater/ Will Ganter	Grab	VOA(35)	351 (pH<2 HCl Ice to 4C), 352 (pH<2 HCl Ice to 4C), 353 (pH<2 HCl Ice to 4C) (3)	MW-11R	02/03/2020 15:00	
MW-12		Groundwater/ Will Ganter	Grab	VOA(35)	354 (pH<2 HCl Ice to 4C), 355 (pH<2 HCl Ice to 4C), 356 (pH<2 HCl Ice to 4C) (3)	MW-12	02/03/2020 16:30	

Sample(s) to be used for Lab QC: ES11627 Tag 615, ES11627 Tag 616, ES11627 Tag 617, ES11627 Tag 618, ES11627 Tag 619, ES11627 Tag 620, ES11627 Tag 621, ES11627 Tag 622, ES11627 Tag 623, FV11110 Tag 501, FV11110 Tag 502, FV11110 Tag 503

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	02/04/2020 1800	FedEx Michael Fertulla (EPA)	02/04/2020 1309 2/5/2020 9:10	Temp Blank = 20C

USEPA CLP COC (LAB COPY)

DateShipped: 2/4/2020

CarrierName: FedEx

AirbillNo: 7776 7849 2716

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-083510-0013

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-13		Groundwater/ Will Ganter	Grab	VOA(35)	357 (pH<2 HCl Ice to 4C), 358 (pH<2 HCl Ice to 4C), 359 (pH<2 HCl Ice to 4C) (3)	MW-13	02/03/2020 16:40	
MW-13-DUP		Groundwater/ Will Ganter	Grab	VOA(35)	360 (pH<2 HCl Ice to 4C), 361 (pH<2 HCl Ice to 4C), 362 (pH<2 HCl Ice to 4C) (3)	MW-13-DUP	02/03/2020 16:40	
MW-15		Groundwater/ Will Ganter	Grab	VOA(35)	366 (pH<2 HCl Ice to 4C), 367 (pH<2 HCl Ice to 4C), 368 (pH<2 HCl Ice to 4C) (3)	MW-15	02/04/2020 08:30	
MW-16		Groundwater/ Will Ganter	Grab	VOA(35)	369 (pH<2 HCl Ice to 4C), 370 (pH<2 HCl Ice to 4C), 371 (pH<2 HCl Ice to 4C) (3)	MW-16	02/04/2020 09:00	
MW-17		Groundwater/ Will Ganter	Grab	VOA(35)	372 (pH<2 HCl Ice to 4C), 373 (pH<2 HCl Ice to 4C), 374 (pH<2 HCl Ice to 4C) (3)	MW-17	02/03/2020 14:30	
MW-18		Groundwater/ Will Ganter	Grab	VOA(35)	375 (pH<2 HCl Ice to 4C), 376 (pH<2 HCl Ice to 4C), 377 (pH<2 HCl Ice to 4C) (3)	MW-18	02/03/2020 14:15	
MW-19		Groundwater/ Will Ganter	Grab	VOA(35)	378 (pH<2 HCl Ice to 4C), 379 (pH<2 HCl Ice to 4C), 380 (pH<2 HCl Ice to 4C) (3)	MW-19	02/03/2020 14:00	

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=VOA	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	02/04/2020 1800	FedEx	02/04/2020 1800	Temp blank = 20C
			Mikhail Tertits (EPA)	2/5/2020 9:10	

USEPA CLP COC (LAB COPY)

Date Shipped: 2/4/2020

Carrier Name: FedEx

Airbill No: 7776 7849 2716

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020420-083510-0013

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
OV11519		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	495 (pH<2 HCl Ice to 4C), 496 (pH<2 HCl Ice to 4C), 497 (pH<2 HCl Ice to 4C) (3)	OV11519	02/03/2020 14:15	
OV11519-DUP		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	579 (pH<2 HCl Ice to 4C), 580 (pH<2 HCl Ice to 4C), 581 (pH<2 HCl Ice to 4C) (3)	OV11519-DUP	02/03/2020 14:15	
PH11702		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	537 (pH<2 HCl Ice to 4C), 538 (pH<2 HCl Ice to 4C), 539 (pH<2 HCl Ice to 4C) (3)	PH11702	02/03/2020 09:20	
TB-5		Groundwater/ Melissa Hughes	Grab	VOA(35)	633 (pH<2 HCl Ice to 4C), 634 (pH<2 HCl Ice to 4C), 635 (pH<2 HCl Ice to 4C) (3)	TB-5	02/03/2020 12:00	
TH11618		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	609 (pH<2 HCl Ice to 4C), 610 (pH<2 HCl Ice to 4C), 611 (pH<2 HCl Ice to 4C) (3)	TH11618	02/03/2020 15:55	
TH11643		Groundwater/ Jacob Meirnerts	Grab	VOA(35)	585 (pH<2 HCl Ice to 4C), 586 (pH<2 HCl Ice to 4C), 587 (pH<2 HCl Ice to 4C) (3)	TH11643	02/03/2020 16:35	

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key: VOA=VOA	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Melissa Hughes EA	02/04/2020 1800	FedEx Michael J. Ferrelle (EPA)	02/04/2020 1800 2/5/2020 9:10	Temp Blank = 2°C

USEPA CLP COC (LAB COPY)

DateShipped: 2/5/2020

CarrierName: ~~FedEx~~ *JTB*

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-020520-073024-0015

Lab: EPA Region 6 Lab

Lab Contact: Christy Warren

Lab Phone:

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
OV11642		Groundwater/ Jacob Meinerts	Grab	VOA(35)	489 (pH<2 HCl Ice to 4C), 490 (pH<2 HCl Ice to 4C), 491 (pH<2 HCl Ice to 4C) (3)	OV11642	02/05/2020 10:35	
TB-7		Groundwater/ Melissa Hughes	Grab	VOA(35)	633 (pH<2 HCl Ice to 4C), 634 (pH<2 HCl Ice to 4C), 635 (pH<2 HCl Ice to 4C) (3)	TB-7	02/05/2020 07:30	
TH11713		Groundwater/ Jacob Meinerts	Grab	VOA(35)	612 (pH<2 HCl Ice to 4C), 613 (pH<2 HCl Ice to 4C), 614 (pH<2 HCl Ice to 4C) (3)	TH11713	02/05/2020 09:45	
TT11330		Groundwater/ Jacob Meinerts	Grab	VOA(35)	624 (pH<2 HCl Ice to 4C), 625 (pH<2 HCl Ice to 4C), 626 (pH<2 HCl Ice to 4C) (3)	TT11330	02/04/2020 11:45	

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Special Instructions:

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>John T. Bonner</i> EA	2/6/2020 10:00	<i>Michael J. Furtado</i> (EPA)	2/6/2020 10:10	Temp Blank = 2°C